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APPLICATION NO.	Fl	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/693,013	013 10/23/2003		Man-Kit Leung	JCLA9062	9339
	7590	11/17/2004		EXAM	INER
J.C Patents Suite 250				TRAN, MINH LOAN	
4 Venture				ART UNIT	PAPER NUMBER
Irvine, CA 9	Irvine, CA 92618			2826	- <u>-</u>

DATE MAILED: 11/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)					
Office Action Commence	10/693,013	LEUNG ET AL.					
Office Action Summary	Examiner	Art Unit					
	Minh-Loan T. Tran	2826					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 03 No	ovember 2004.						
	action is non-final.						
3) Since this application is in condition for allowan	ce except for formal matters, pro	secution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.					
Disposition of Claims	•						
4) Claim(s) 1-11 is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>1,2 and 5-11</u> is/are allowed.							
6) Claim(s) is/are rejected.							
7) Claim(s) 3 and 4 is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
9) The specification is objected to by the Examiner	•						
·	10)⊠ The drawing(s) filed on <u>23 October 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s)							
Notice of References Cited (PTO-892)	4) Interview Summary						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) B) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te atent Application (PTO-152)					

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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Group II, claims 1-11 in the reply filed on 11/03/2004 is acknowledged.

Priority

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

3. If applicant is aware of any relevant prior art, he/she requested to cite it on form **PTO-1449** in accordance with the guidelines set forth in M.P.E.P. 609.

Oath/Declaration

4. The oath or declaration filed on 02/05/2004 is acceptable.

Drawings

5. The drawings filed on 10/23/2003 are acceptable.

Claim Objections

6. Claims 3 and 4 are objected to because of the following informalities:

In claim 3, lines 1 and 2, "a glass transition temperature is higher than 100 °C" should be changed to -- the substrate having a glass transition temperature is higher than 100 °C--.

In claim 4, lines 1 and 2, "the organic compound" should be changed to –the metal--.

Appropriate correction is required.

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Allowable Subject Matter

7. Claims 1-11 are allowed.

Claims 1-11 are allowable over the references of record because none of these references disclosed or can be combined to yield the claimed invention such as a metal doped layer disposed between the cathode and the organic functional layer, wherein the metal doped layer comprises an organic compound represented by a formula (1) doped with a metal wherein R_1 - R_6 are hydrogen, substituted or unsubstituted alkyl, substituted or unsubstituted alkyl, substituted or unsubstituted alkenyl, substituted or unsubstituted amino, substituted or unsubstituted aromatic hydroxyl, substituted or unsubstituted polycyclic aromatic or substituted or unsubstituted aromatic hydroxyl, substituted polycyclic aromatic, substituted aromatic hydroxyl, substituted or unsubstituted or unsubstituted or unsubstituted aromatic hydroxyl, substituted or unsubstituted aromatic, substituted or unsubstituted aromatic alkyl or substituted or unsubstituted aromatic heterocyclic; X is oxygen, sulfur, substituted or unsubstituted amino, substituted or unsubstituted silane.

Conclusion

8. This application is in condition for allowance except for the following formal matters as noted above.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

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PM.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh-Loan T. Tran whose telephone number is (571) 272-1922. The examiner can normally be reached on Monday-Friday 9:00 AM-5:30

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan J. Flynn can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MIt

Minh-Loan T. Tran Primary Examiner

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